

Title (en)  
FORMATION OF [2,2]PARACYCLOPHANE AND RELATED COMPOUNDS AND METHODS FOR THE FORMATION OF POLYMERS FROM CYCLOPHANES

Title (de)  
BILDUNG VON [2,2]PARACYCLOPHAN UND VERWANDTE VERBINDUNGEN SOWIE VERFAHREN ZUR HERSTELLUNG VON POLYMEREN AUS CYCLOPHANES

Title (fr)  
FORMATION DE [2,2]PARACYCLOPHANE ET DE COMPOSÉS APPARENTÉS ET PROCÉDÉS POUR LA FORMATION DE POLYMÈRES À PARTIR DE CYCLOPHANES

Publication  
**EP 2890665 A4 20160525 (EN)**

Application  
**EP 12883727 A 20121231**

Priority  
• US 201213599996 A 20120830  
• US 2012072335 W 20121231

Abstract (en)  
[origin: US2013109827A1] An improved process and method for the formation of stable intermediate cyclophanes. Embodiments describe a general method for the production of substituted and unsubstituted cyclophanes. The components include a pyrolysis reaction tube that may be electrically heated into which a flowing stream of nitrous oxide with xylene vapor in an optional inert carrier gas at atmospheric pressure. The exit gas is condensed resulting in the deposition of [2,2']paracyclophane. Additionally a process and method whereby the reactive intermediates of the reaction described above can be directly deposited and polymerized at atmospheric pressures or thereabout is disclosed.

IPC 8 full level  
**C07C 2/02** (2006.01); **C07C 2/76** (2006.01)

CPC (source: EP KR US)  
**C07C 2/02** (2013.01 - KR US); **C07C 2/76** (2013.01 - EP KR US); **C07C 15/18** (2013.01 - KR); **C07C 2603/92** (2017.04 - EP KR US)

C-Set (source: EP US)  
**C07C 2/76** + **C07C 13/70**

Citation (search report)  
• [I] US 3271471 A 19660906 - BAKER LEONARD M  
• See references of WO 2014035456A2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**US 2013109827 A1 20130502; US 8633289 B2 20140121**; AU 2012388717 A1 20150319; AU 2012388717 B2 20170309; BR 112015004274 A2 20170704; BR 112015004274 B1 20211109; CA 2883372 A1 20140306; CA 2883372 C 20191015; CN 105026352 A 20151104; CN 105026352 B 20180316; EP 2890665 A2 20150708; EP 2890665 A4 20160525; EP 2890665 B1 20190522; HK 1212322 A1 20160610; IN 1925DEN2015 A 20150807; JP 2015529205 A 20151005; JP 6195926 B2 20170913; KR 101717278 B1 20170316; KR 20150044955 A 20150427; MX 2015002577 A 20150610; MX 371156 B 20200120; MY 171391 A 20191010; SG 11201501399W A 20150330; WO 2014035456 A2 20140306; WO 2014035456 A3 20150625

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